



## Performance Data Sheet

### VSAG523ZXT

#### General Information

Model	VSAG523ZXT	Refrigerant	R-404A
Test Condition	ARI	Performance Test Voltage	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	3PH

#### Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-40	Btu/h	15100	14700	13900	12800	11500	9790	7790
	Watts	3290	3610	4060	4640	5340	6180	7130
	Amps	10.9	11.6	12.6	14.1	15.9	18.1	20.7
	Lb/h	248	245	241	235	229	221	213
-35	Btu/h	17500	16900	15900	14600	13000	11100	8900
	Watts	3390	3700	4140	4700	5390	6200	7140
	Amps	11.1	11.8	12.8	14.2	16.0	18.1	20.7
	Lb/h	281	277	272	266	260	252	243
-30	Btu/h	20300	19400	18200	16700	14800	12700	10300
	Watts	3510	3800	4220	4770	5440	6240	7160
	Amps	11.4	12.0	13.0	14.4	16.1	18.2	20.7
	Lb/h	319	315	310	303	296	288	278
-25	Btu/h	23200	22100	20700	19000	16900	14600	11900
	Watts	3630	3910	4310	4840	5500	6280	7190
	Amps	11.8	12.3	13.3	14.6	16.3	18.3	20.7
	Lb/h	363	358	353	346	338	330	320
-20	Btu/h	26500	25200	23500	21500	19300	16700	13800
	Watts	3760	4030	4410	4930	5570	6340	7240
	Amps	12.2	12.7	13.6	14.8	16.5	18.5	20.8
	Lb/h	412	407	401	394	386	377	367
-15	Btu/h	30000	28400	26500	24300	21800	19000	15900
	Watts	3910	4160	4530	5030	5660	6410	7290
	Amps	12.6	13.1	13.9	15.1	16.7	18.7	21.0
	Lb/h	468	462	456	449	440	431	420
-10	Btu/h	33700	31900	29800	27400	24600	21500	18200
	Watts	4070	4300	4660	5150	5760	6500	7370
	Amps	13.1	13.5	14.3	15.5	17.0	18.9	21.2
	Lb/h	529	523	516	509	500	490	480
-5	Btu/h	37700	35600	33300	30600	27600	24300	20600
	Watts	4240	4460	4810	5280	5880	6600	7450
	Amps	13.7	14.0	14.8	15.9	17.3	19.2	21.4
	Lb/h	596	590	583	575	566	556	545

0	Btu/h	41800	39500	36900	34000	30700	27100	23300
	Watts	4430	4630	4970	5430	6010	6720	7560
	Amps	14.3	14.6	15.2	16.3	17.7	19.5	21.7
	Lb/h	669	663	656	647	638	628	616
5	Btu/h	46200	43600	40700	37500	34000	30200	26100
	Watts	4640	4830	5150	5590	6160	6860	7690
	Amps	14.9	15.2	15.8	16.8	18.2	19.9	22.1
	Lb/h	749	742	735	726	716	706	694
10	Btu/h	50700	47800	44700	41200	37500	33400	29000
	Watts	4860	5040	5350	5780	6340	7020	7830
	Amps	15.6	15.8	16.4	17.3	18.7	20.4	22.4
	Lb/h	834	828	820	811	801	790	778

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.905238E+04	7.342002E+03	2.535860E+01	6.839813E+02
C2	1.248097E+03	6.146756E+01	2.010900E-01	1.571228E+01
C3	3.602323E+01	-8.708025E+01	-2.890161E-01	2.136578E-01
C4	4.415570E+00	3.099269E-01	9.897801E-04	1.200454E-01
C5	-4.941460E+00	-2.717086E-01	-9.748901E-04	-5.643240E-03
C6	-1.580568E+00	6.337133E-01	1.878807E-03	-4.936095E-03
C7	-2.321374E-02	1.902355E-03	1.272205E-06	1.214830E-04
C8	-1.029714E-02	5.559102E-04	-3.265528E-08	4.223259E-05
C9	-6.777932E-04	-1.291376E-05	-1.047927E-07	6.926544E-07
C10	5.637795E-05	-3.958095E-06	-1.663754E-09	-2.775731E-07

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature